

6. (Amended)

sub 47
A tissue culture according to claim 5, cells or protoplasts of the tissue culture being from a tissue selected from the group consisting of leaves, pollen, embryos, roots, root tips, anthers, silks, flowers, kernels, ears, cobs, husks, and stalks.

7. (Amended)

sub 57
A maize plant, or its parts, regenerated from the tissue culture of claim 5.

10. (Amended)

The method of claim 9 wherein plant breeding techniques are selected from the group consisting of recurrent selection, backcrossing, pedigree breeding, restriction fragment length polymorphism enhanced selection, genetic marker enhanced selection, and transformation.

11. (Amended)

sub 67
A maize plant, or its parts, wherein at least one ancestor of said maize plant is the maize plant, or its parts, of claim 2, said maize plant expressing a combination of at least two traits which are not significantly different from 33T17 when determined at a 5% significance level and when grown in the same environmental conditions, said traits selected from the group consisting of: a relative maturity of approximately 113 based on the Comparative Relative Maturity Rating System for harvest moisture of grain, yielding ability, food grade quality, white food grade grain, test weight, Gray Leaf Spot tolerance, tolerance to Fusarium Ear Rot, and suited to the Southcentral region of the United States.

14. (Amended)

The method of claim 13 wherein plant breeding techniques are selected from the group consisting of: recurrent selection, backcrossing, pedigree breeding, restriction fragment length polymorphism enhanced selection, genetic marker enhanced selection, and transformation.

15. (Amended)

3-2-07
A maize plant, or its parts, wherein at least one ancestor of said maize plant is the maize plant, or its parts, of claim 12, said maize plant expressing a combination of at least two traits which are not significantly different from 33T17 when determined at a 5% significance level and when grown in the same environmental conditions, said traits selected from the group consisting of: a relative maturity of approximately 113 based on the Comparative Relative Maturity Rating System for harvest moisture of grain, yielding ability, food grade quality, white food grade grain, test weight, Gray Leaf Spot tolerance, tolerance to Fusarium Ear Rot, and suited to the Southcentral region of the United States.

18. (Amended)

The method of claim 17 wherein plant breeding techniques are selected from the group consisting of: recurrent selection, backcrossing, pedigree breeding, restriction fragment length polymorphism enhanced selection, genetic marker enhanced selection, and transformation.

19. (Amended)

3-2-07
A maize plant, or its parts, wherein at least one ancestor of said maize plant is the maize plant, or its parts, of claim 16, said maize plant expressing a combination of at least two traits which are not significantly different from 33T17 when determined at a 5% significance level and when grown in the same environmental conditions, said traits selected from the group consisting of: a relative maturity of approximately 113 based on the Comparative Relative Maturity Rating System for harvest moisture of grain, yielding ability, food grade quality, white food grade grain, test weight, Gray Leaf Spot tolerance, tolerance to Fusarium Ear Rot, and suited to the Southcentral region of the United States.

23. (Amended)

The method of claim 22 wherein plant breeding techniques are selected from the group consisting of: recurrent selection, backcrossing, pedigree breeding, restriction fragment length polymorphism enhanced selection, genetic marker enhanced selection, and transformation.

24. (Amended)

A maize plant, or its parts, wherein at least one ancestor of said maize plant is the maize plant, or its parts, of claim 20, said maize plant expressing a combination of at least two traits which are not significantly different from 33T17 when determined at a 5% significance level and when grown in the same environmental conditions, said traits selected from the group consisting of: a relative maturity of approximately 113 based on the Comparative Relative Maturity Rating System for harvest moisture of grain, yielding ability, food grade quality, white food grade grain, test weight, Gray Leaf Spot tolerance, tolerance to Fusarium Ear Rot, and suited to the Southcentral region of the United States.

25. (Amended)

The hybrid maize plant according to claim 20, wherein the genetic material of said plant contains one or more transgenes.

27. (Amended)

The method of claim 26 wherein plant breeding techniques are selected from the group consisting of: recurrent selection, backcrossing, pedigree breeding, restriction fragment length polymorphism enhanced selection, genetic marker enhanced selection, and transformation.

28. (Amended)

A maize plant, or its parts, wherein at least one ancestor of said maize plant is the maize plant, or its parts, of claim 25, said maize plant expressing a combination of at least two traits which are not significantly different from 33T17 when determined at a 5% significance level and when grown in the same environmental conditions, said traits selected from the group consisting of: a relative maturity of approximately 113 based on the Comparative Relative Maturity Rating System for harvest moisture of grain, yielding ability, food grade quality, white food grade grain, test weight, Gray Leaf Spot tolerance, tolerance to Fusarium Ear Rot, and suited to the Southcentral region of the United States.

29. (Amended)

The hybrid maize plant according to claim 20, wherein the genetic material of said plant contains one or more genes transferred by backcrossing.

31. (Amended)

The method of claim 30 wherein plant breeding techniques are selected from the group consisting of: recurrent selection, backcrossing, pedigree breeding, restriction fragment length polymorphism enhanced selection, genetic marker enhanced selection, and transformation.

32. (Amended)

A maize plant, or its parts, wherein at least one ancestor of said maize plant is the maize plant, or its parts, of claim 29, said maize plant expressing a combination of at least two traits which are not significantly different from 33T17 when determined at a 5% significance level and when grown in the same environmental conditions, said traits selected from the group consisting of: a relative maturity of approximately 113 based on the Comparative Relative Maturity Rating System for harvest moisture of grain, yielding ability, food grade quality, white food grade grain, test weight, Gray Leaf Spot tolerance, tolerance to Fusarium Ear Rot, and suited to the Southcentral region of the United States.